

WHAT IS CLAIMED IS:

1. A glass article comprising an alkali-containing glass substrate,  
and a barrier film for preventing diffusion of metal ions formed on a  
surface of said alkali-containing glass substrate, wherein said barrier  
5 film mainly consisting of indium oxide and/or tin oxide.

2. A glass article as claimed in claim 1, wherein said article  
further comprises an under layer for preventing diffusion of alkali ions  
formed on the surface of said alkali-containing glass substrate, and  
wherein said barrier film is formed on said under layer.

3. A glass article as claimed in claim 1 or 2, further comprising an  
10 insulating film formed on said barrier film.

4. A glass article as claimed in claim 3, wherein the surface  
electrical resistance of said insulating film is in a range from  $1.0 \times 10^6 \Omega/$   
 $\square$  to  $1.0 \times 10^{16} \Omega/\square$ .

5. A glass article as claimed in claim 3 or 4, wherein the surface  
15 electrical resistance of said insulating film is kept in the range from  $1.0$   
 $\times 10^6 \Omega/\square$  to  $1.0 \times 10^{16} \Omega/\square$  even after heating process at  $550^\circ\text{C}$  for 1  
hour.

6. A glass article as claimed in any one of claims 3 through 5,

further comprising an electrode film formed on said insulating film.

7. A glass article as claimed in claim 6, wherein said electrode film includes Ag.

8. A glass substrate for a display comprising: an alkali-containing  
5 glass substrate; an under layer for preventing diffusion of alkali ions  
formed on a surface of said alkali-containing glass substrate; a barrier  
film for preventing diffusion of metal ions mainly consisting of indium  
oxide and/or tin oxide; an insulating film; and an electrode film,

said films being formed in the enumerated order, and

10 the surface electrical resistance of said insulating film being kept  
in a range from  $1.0 \times 10^6 \Omega/\square$  to  $1.0 \times 10^{16} \Omega/\square$  even after heating  
process at 550 °C for 1 hour.